

FIG. 2

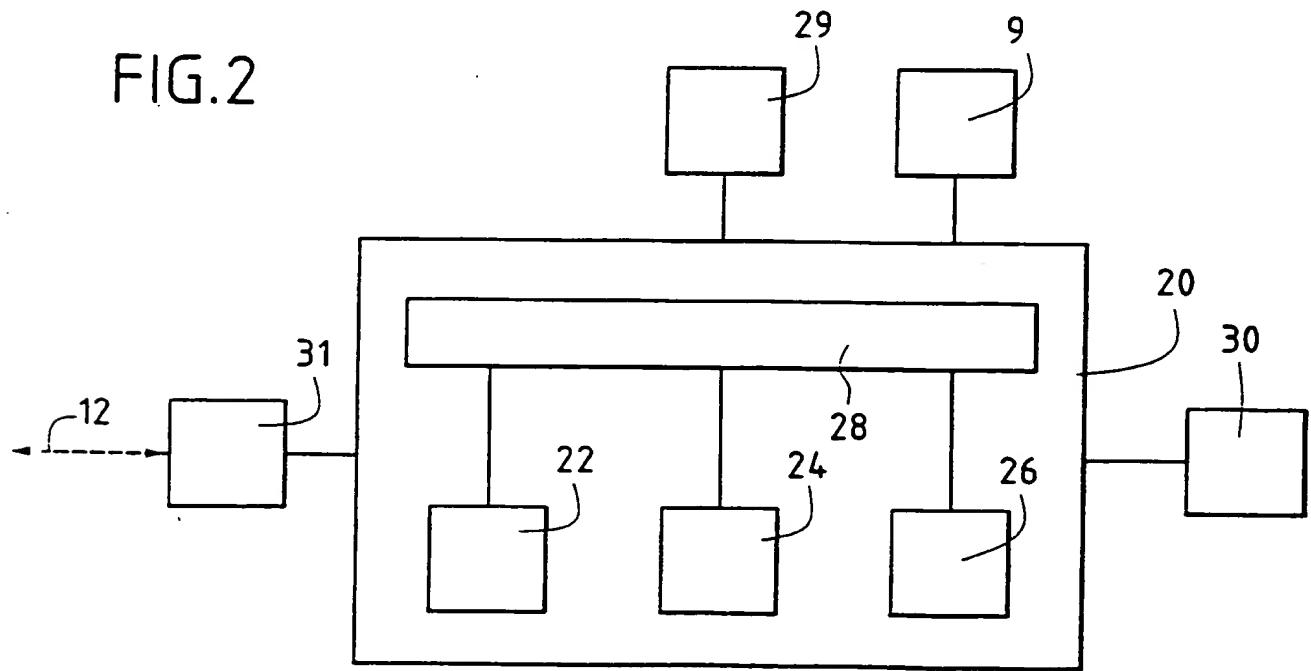


FIG.3

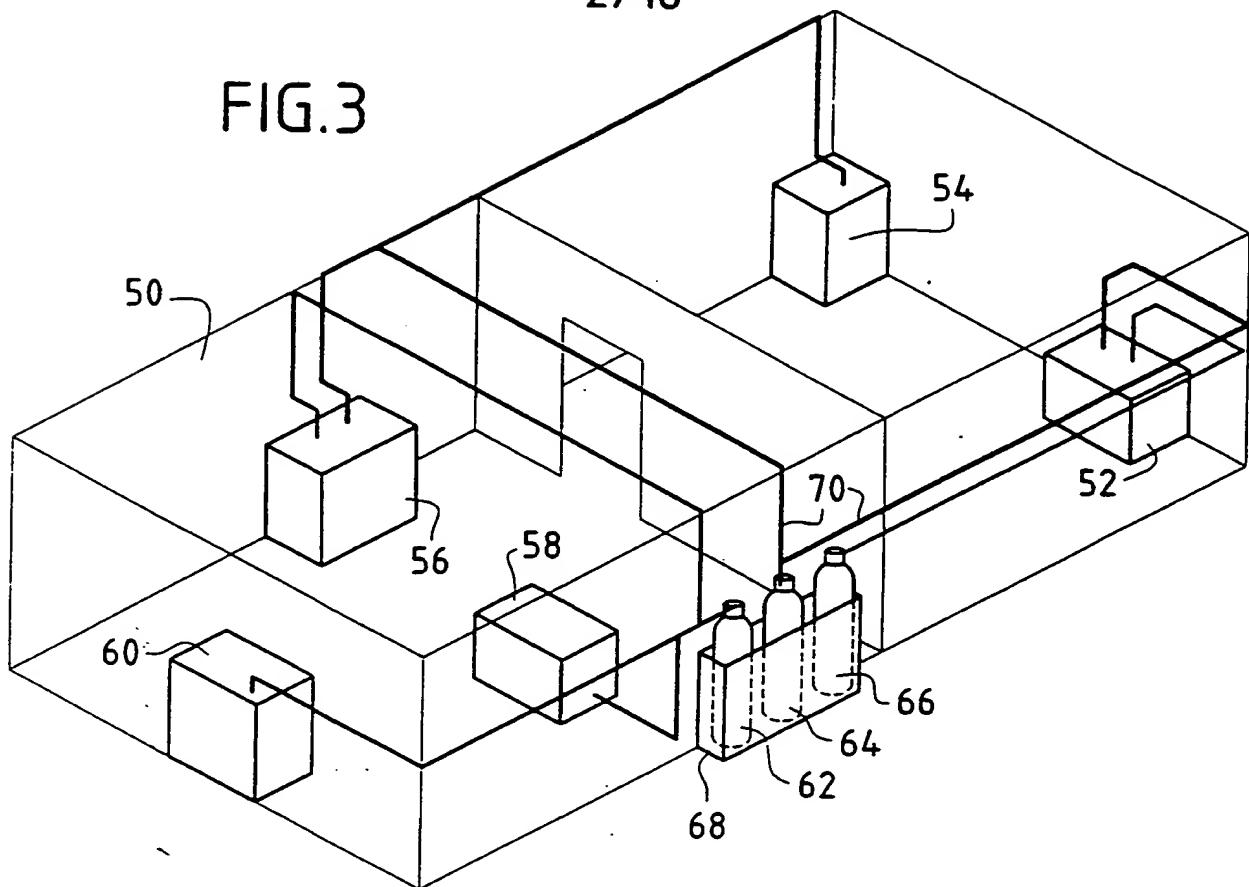
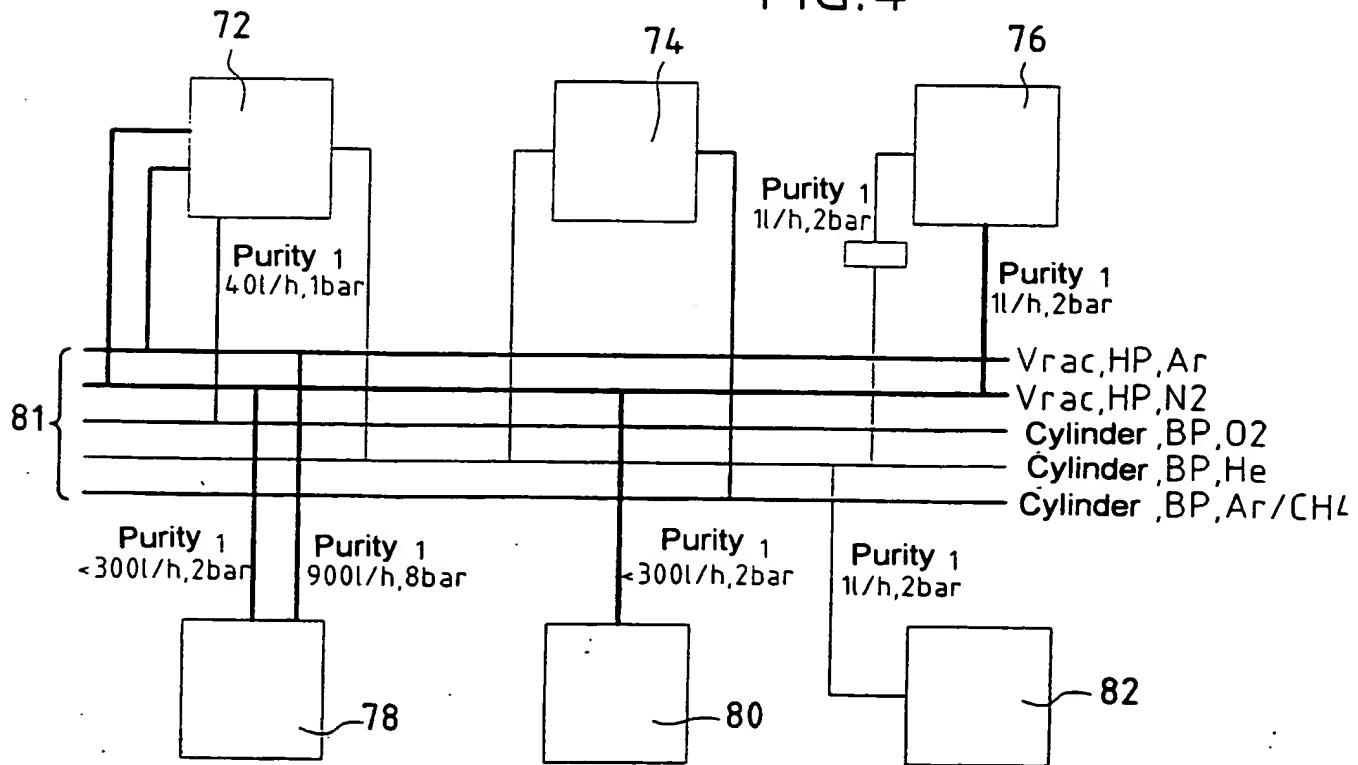


FIG.4



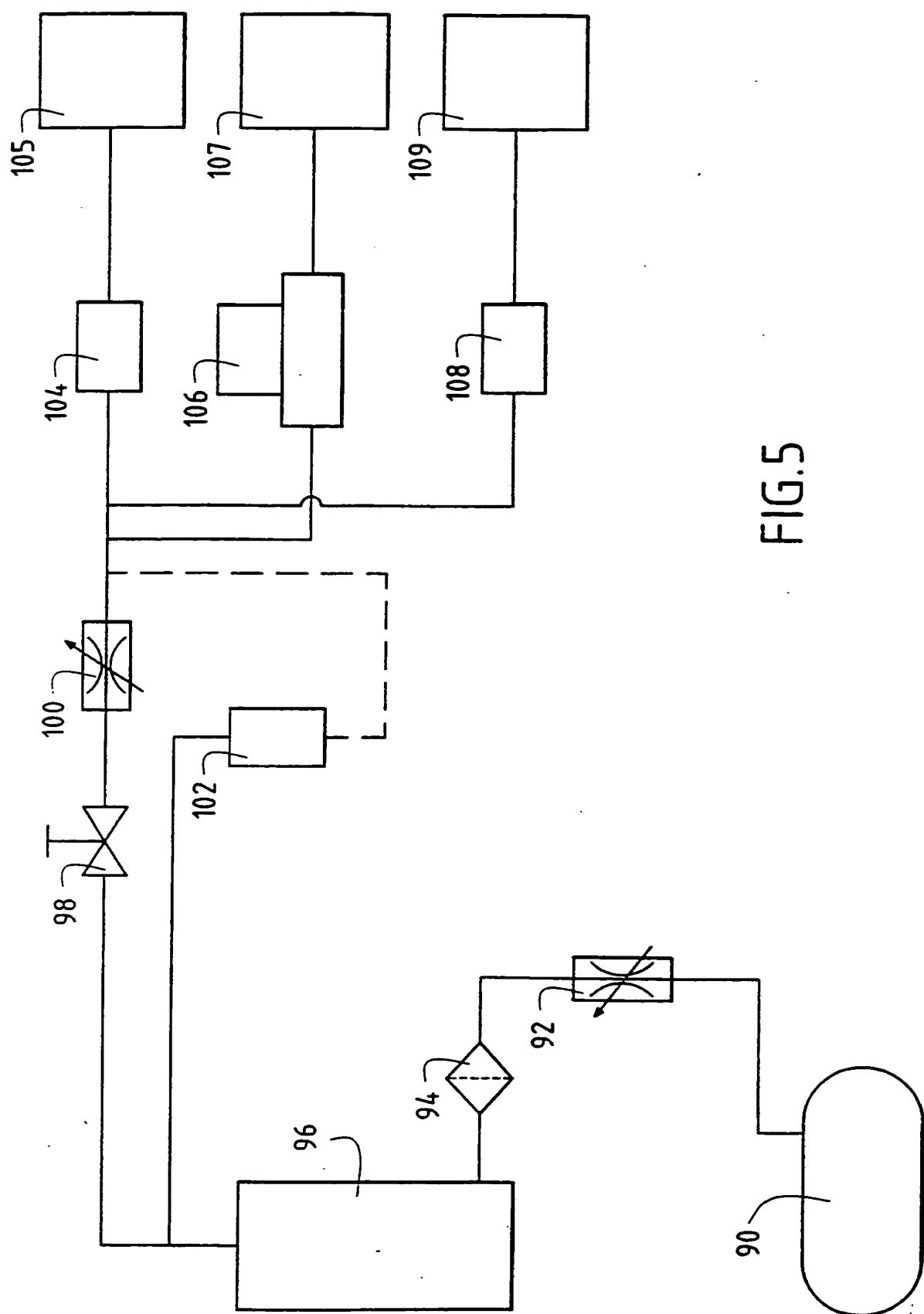


FIG. 5

MEASURED
CONCENTRATION (ppm)

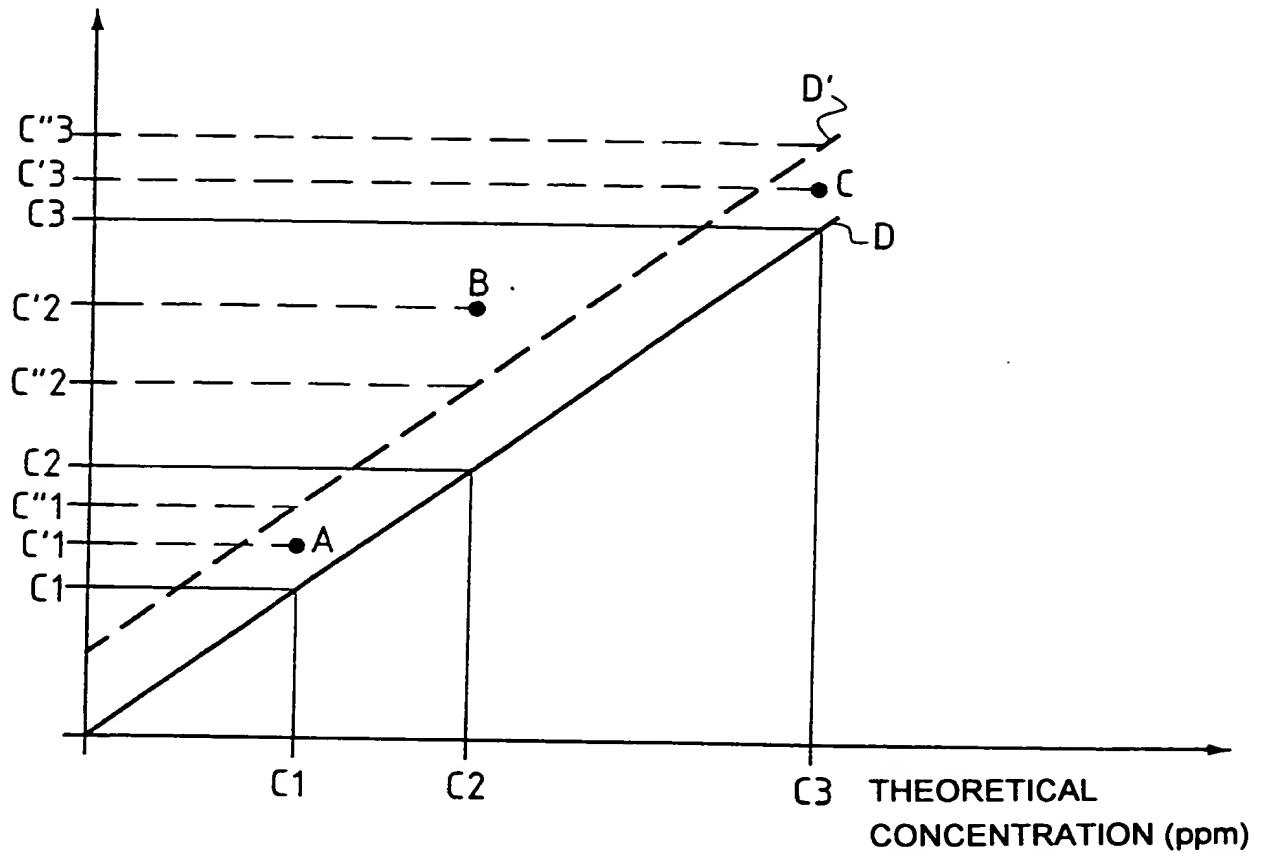


FIG.6

FIG. 7A

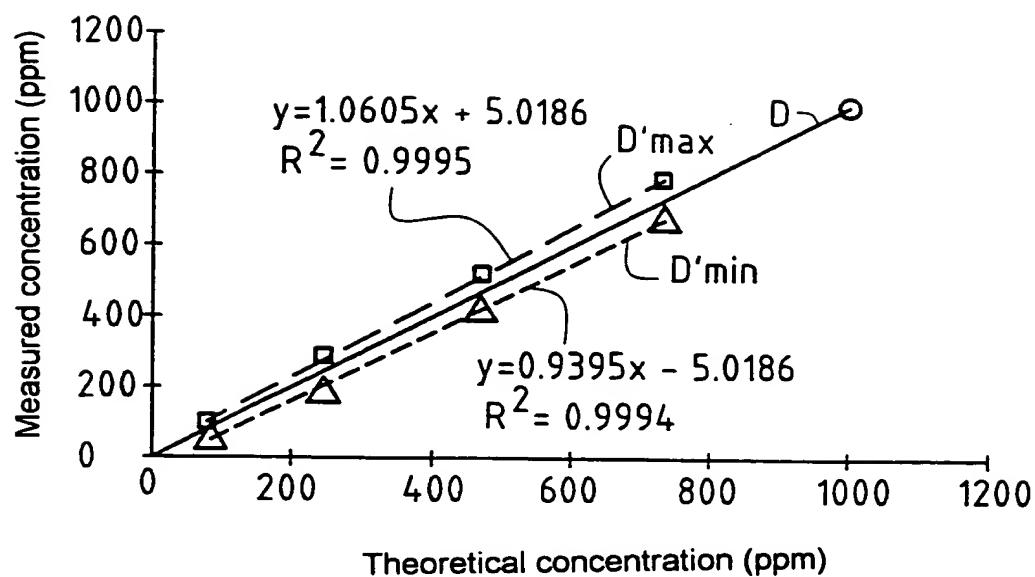


FIG. 7B

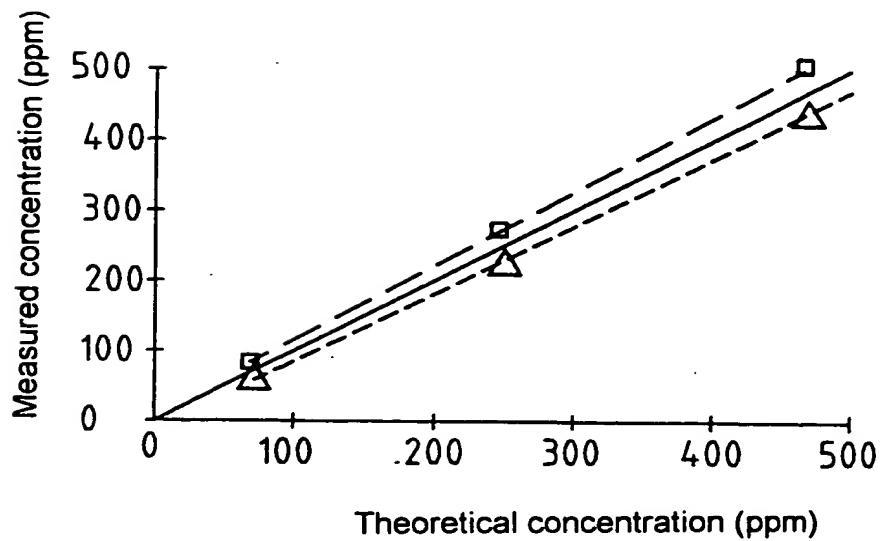


FIG.8

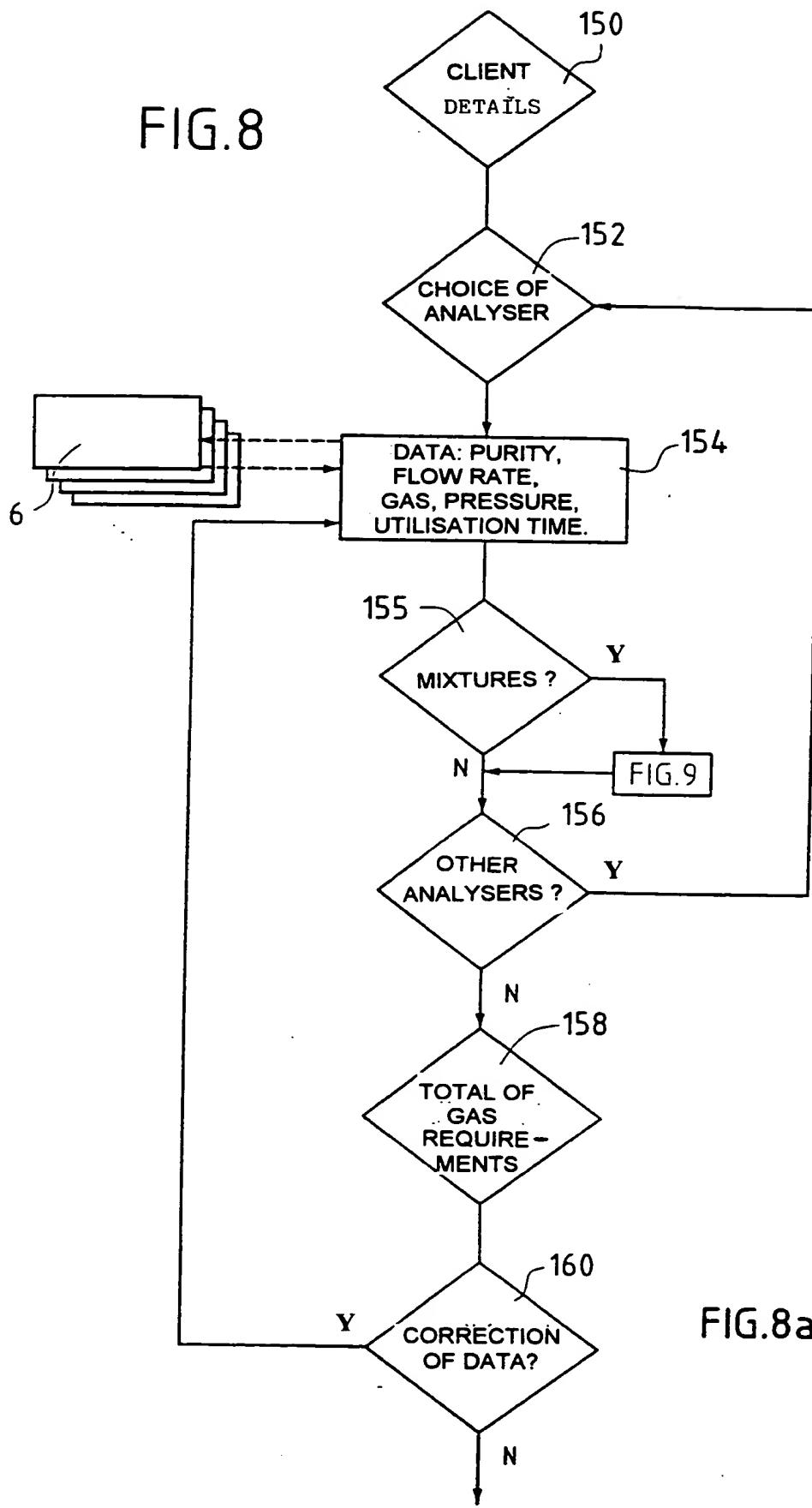


FIG.8a

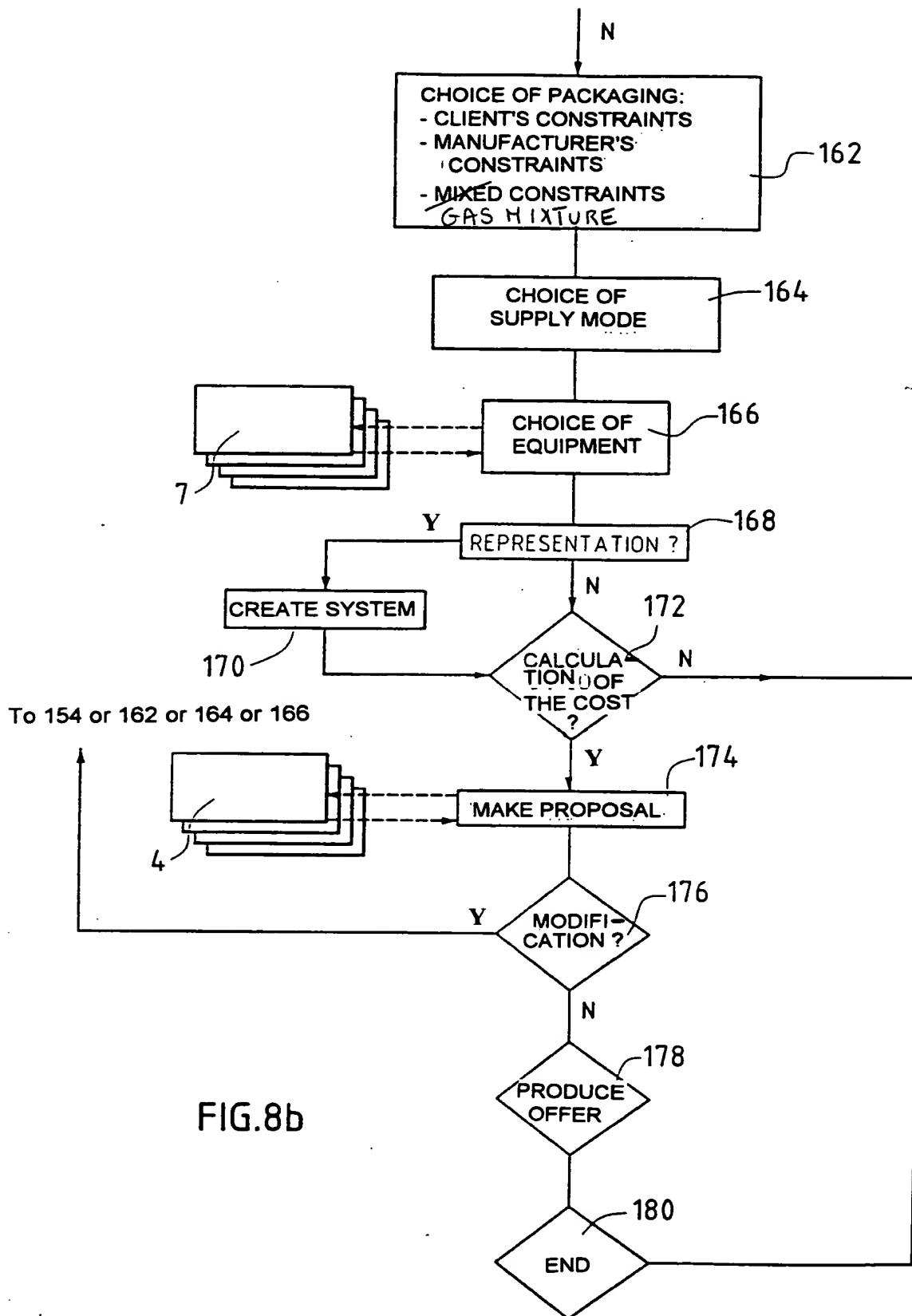


FIG.8b

FIG.9

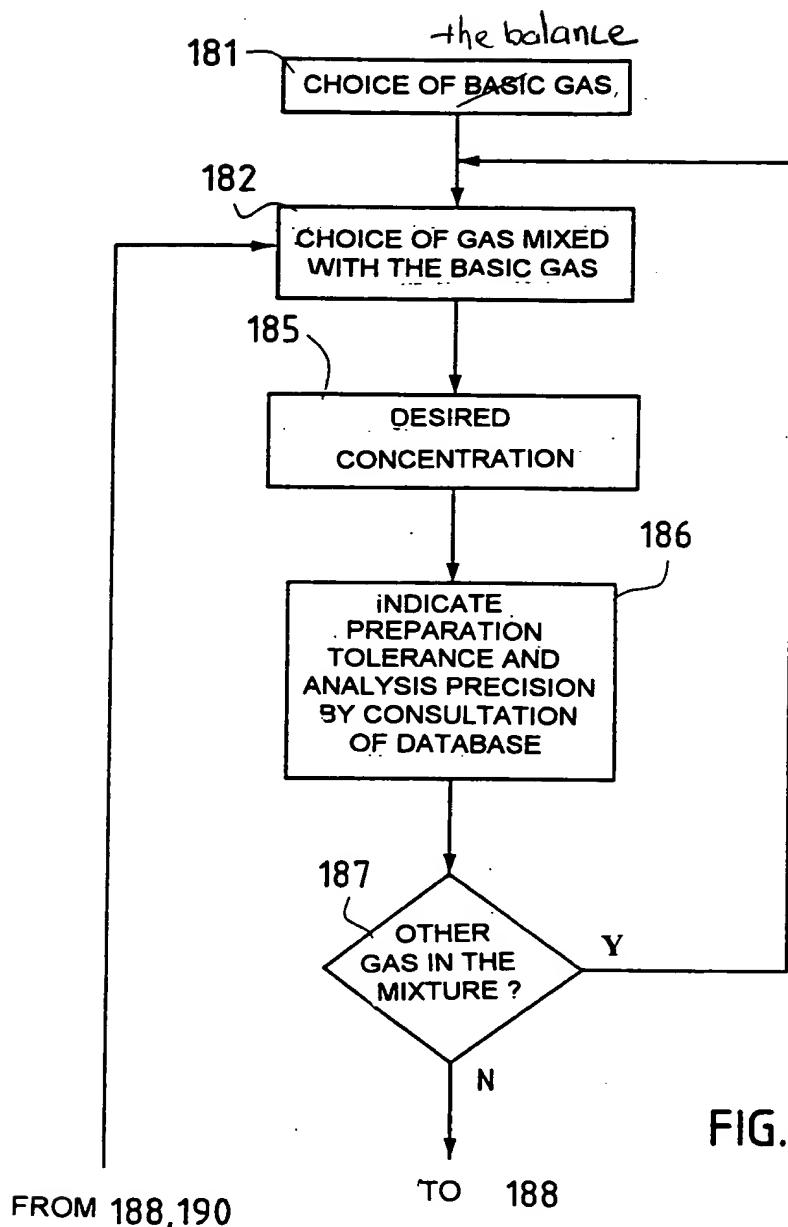


FIG.9a

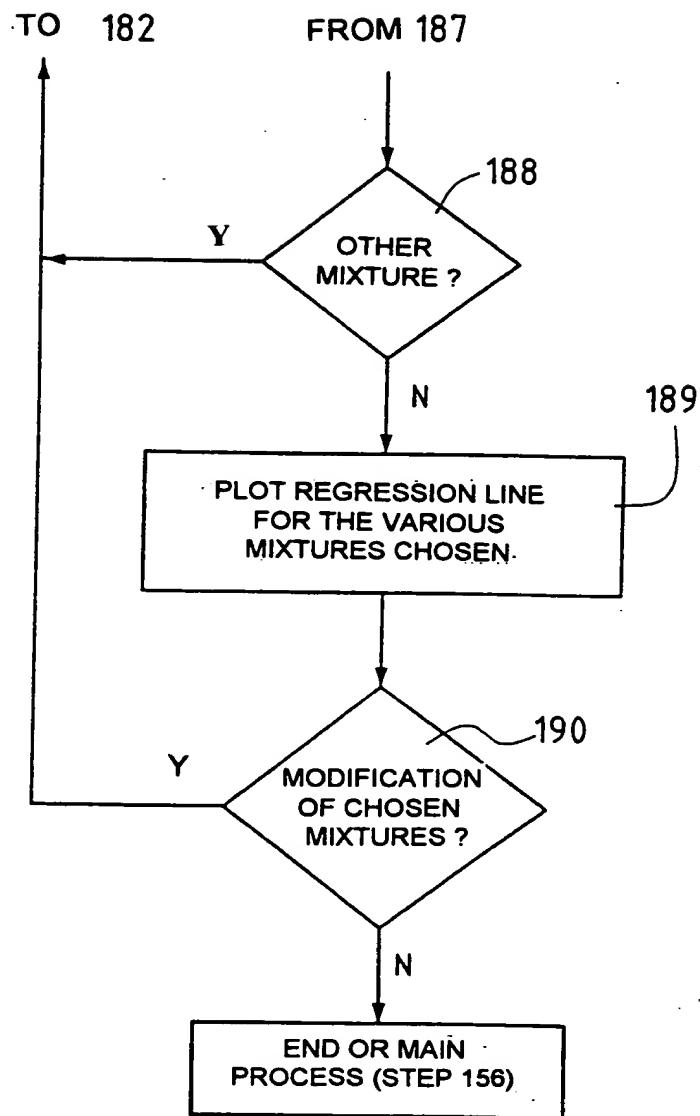


FIG.9b

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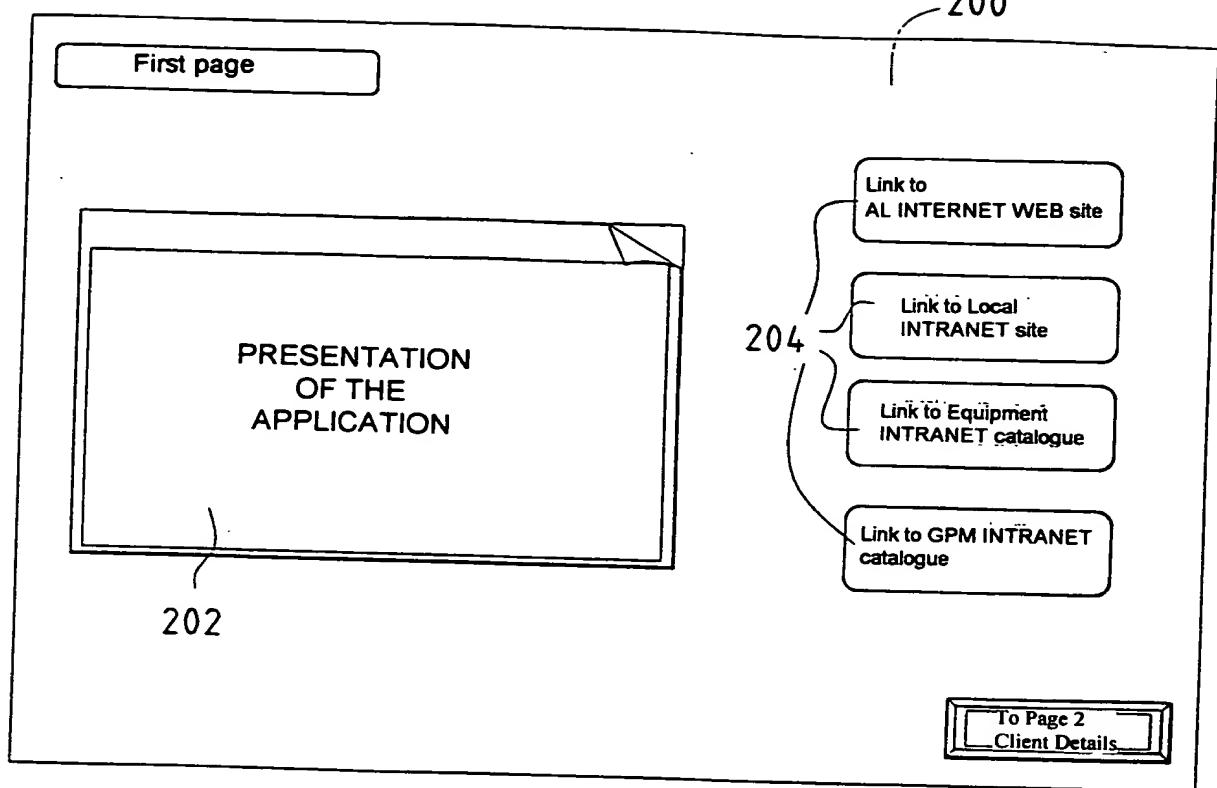


FIG.10A

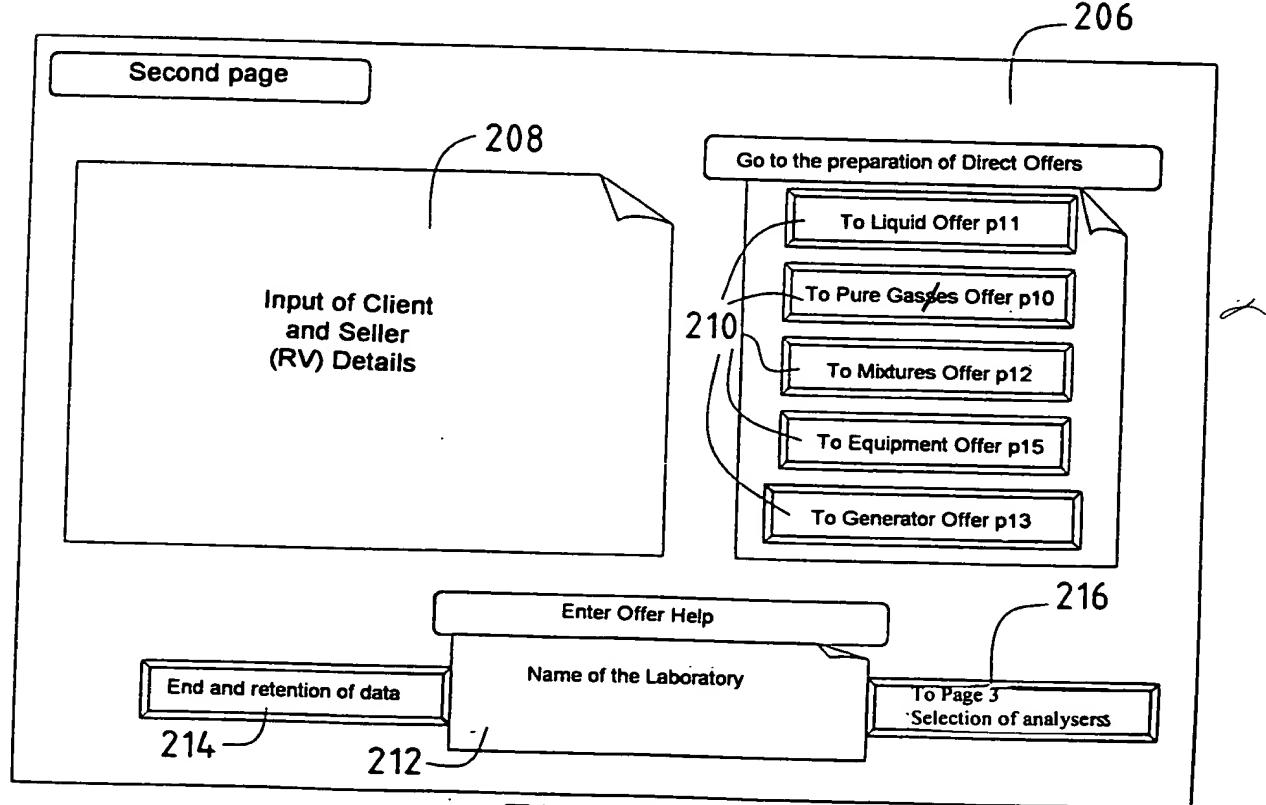


FIG.10B

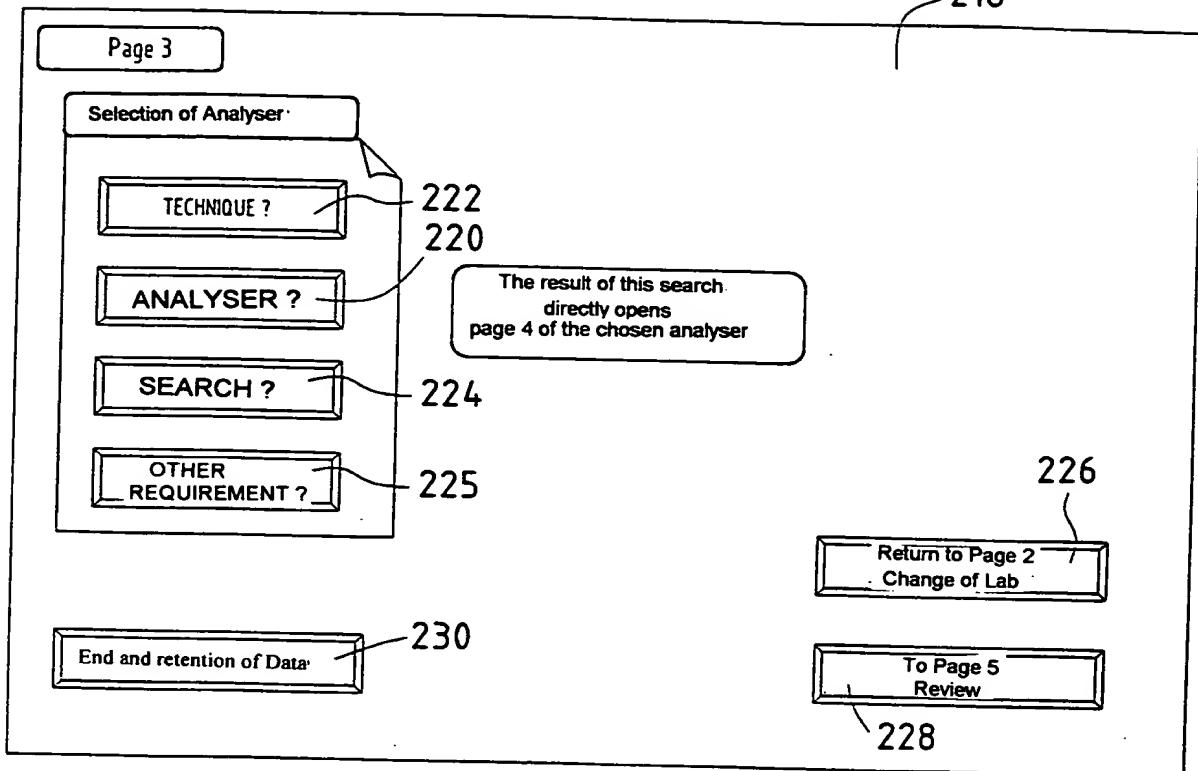


FIG.10C

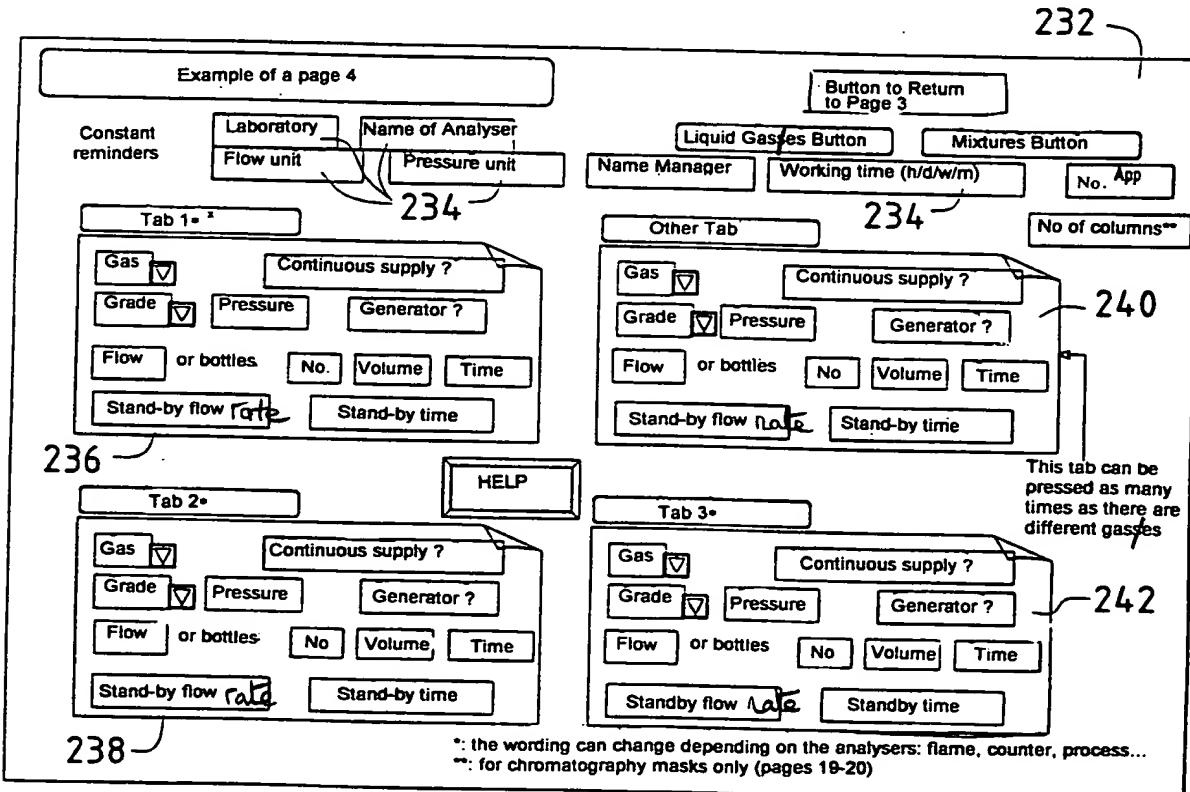


FIG.10D

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244

Page 4: Other Requirement

Constant reminders

Laboratory	Name of Analyser	Liquid gasses button	Mixtures button
Flow unit	Pressure unit	Manager name	Pressure
		Working time	App No

Button to Return to Page 3

Tab opened for input

Gas	Continuous supply ?
Grade	Pressure
Flow or bottles	Generator ?
No	Volume
Standby flow	Time
Standby time	

This tab can be pressed as many times as there are different gasses

246

FIG.10E

Page 5: Summary

Selection

by laboratory	by analyser
---------------	-------------

New lab button page 2

Button to Return to page 3

Go to Page 6 for Calculation

250

254

248

Example of output by laboratory

LABORATORY: B1/SDC

Analyser and technique	Name	Tab use	GAS	Purity	Flow	Pressure	Working time (hours)	Bottle size	Vol
					Unit	Unit			
GC/ECD	Jean	Carrier	H ₂	Alphagaz 2	6 sccm	3 bar	1400	N	N
		Cleaning	H ₂	Alphagaz 2	100 sccm	3 bar.	400	N	N
		Standard	CF ₂ /N ₂					85	1m ³
RMN	Paul	Cold	N ₂					BULK	5 l/d.

End and retention of Data.

252

Volume of bottles to be retrieved

empty cylinder to be return

256

Number

Print Form

FIG.10F

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258

259

Page 6: Calculation

Association
Organisation of Labs in groups

263

Lab X	Lab Y	Lab Z	Result Lab X + Z
-------	-------	-------	------------------

Start Calculation

261

Lab or Group
Gas and Purity

Selection

Example of output

GAS : HELIUM GRADE ALPHAGAS 2
Laboratory or laboratories concerned

Volume Liquid	volume gas/year	Max flow	Max pressure	Continuous supply requested	Request for generator	Analyser and technique	Name
Unit	Unit	Unit	Unit				
10	105m ³	10 sccm	3 bar	Y/N	Y/N	GC/ECD	Jean
						HPLC	Pierre
						GC/FID	Paul

End and retention of Data

264

262

260

FIG.10G

Page 7: Constraints

Selection Reminders

264

Gas Purity Total volume Min No Months Max Pressure Max Flow Total flow LAB

CLIENT CONSTRAINTS

Storage constraints:	No space for a container	<input checked="" type="checkbox"/>
	Bottles inside	<input checked="" type="checkbox"/>
Handling constraints:	No dedicated staff	<input checked="" type="checkbox"/>
Continuous supply requirement (Reminder)		<input checked="" type="checkbox"/>

AL CONSTRAINTS

Time between two rounds (GAS)	DAYS
Time between two rounds (LIQUID)	DAYS
Validation by Logistics Department	<input checked="" type="checkbox"/>

This button must be operated before the offer is produced

AL SERVICES

	BROCHURE	WEB LINKS
Management of gas stocks and supplies	<input checked="" type="checkbox"/>	DATAL
Traceability of bottles	<input checked="" type="checkbox"/>	CYGMA
Connections (compliance with draining procedures)	<input checked="" type="checkbox"/>	AUDIGAZ
Qualification of gas lines and installations	<input checked="" type="checkbox"/>	SERVIGAZ
Preventive and curative maintenance	<input checked="" type="checkbox"/>	

End and retention of Data

270

266

272

268

262

260

FIG.10H

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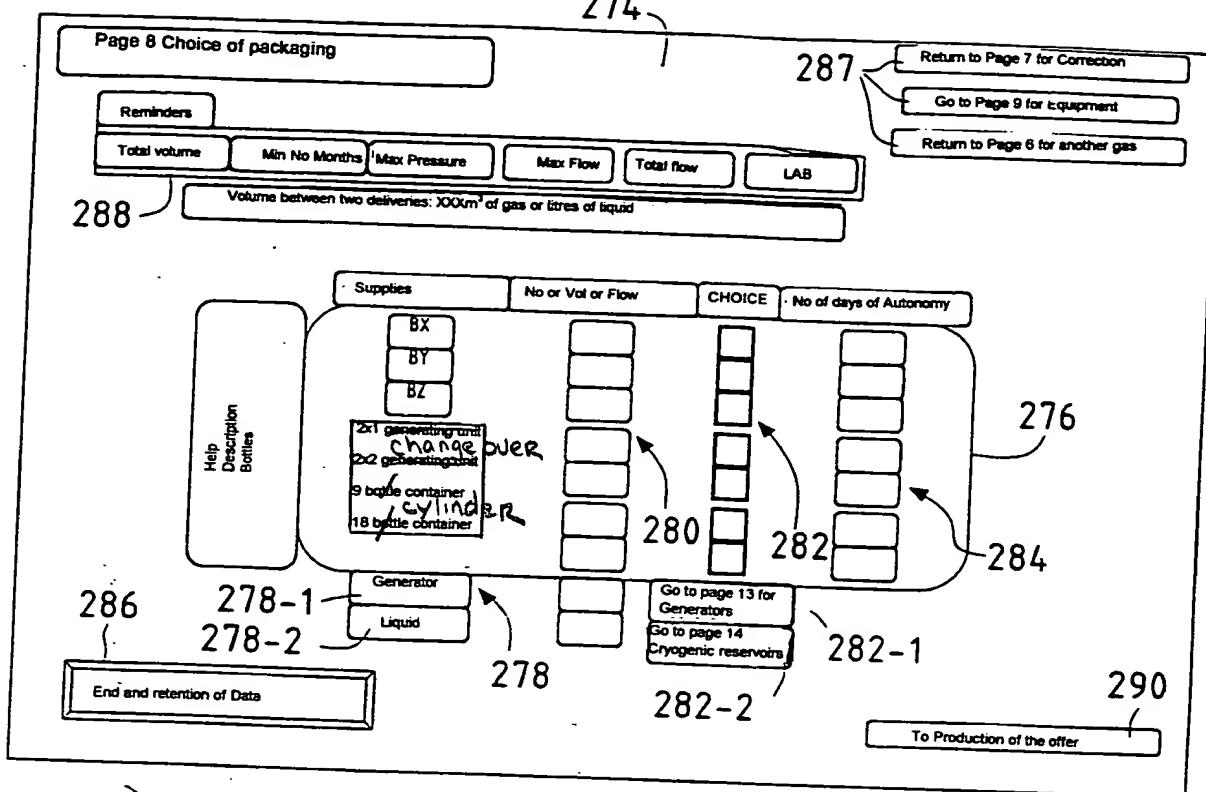


FIG.10I

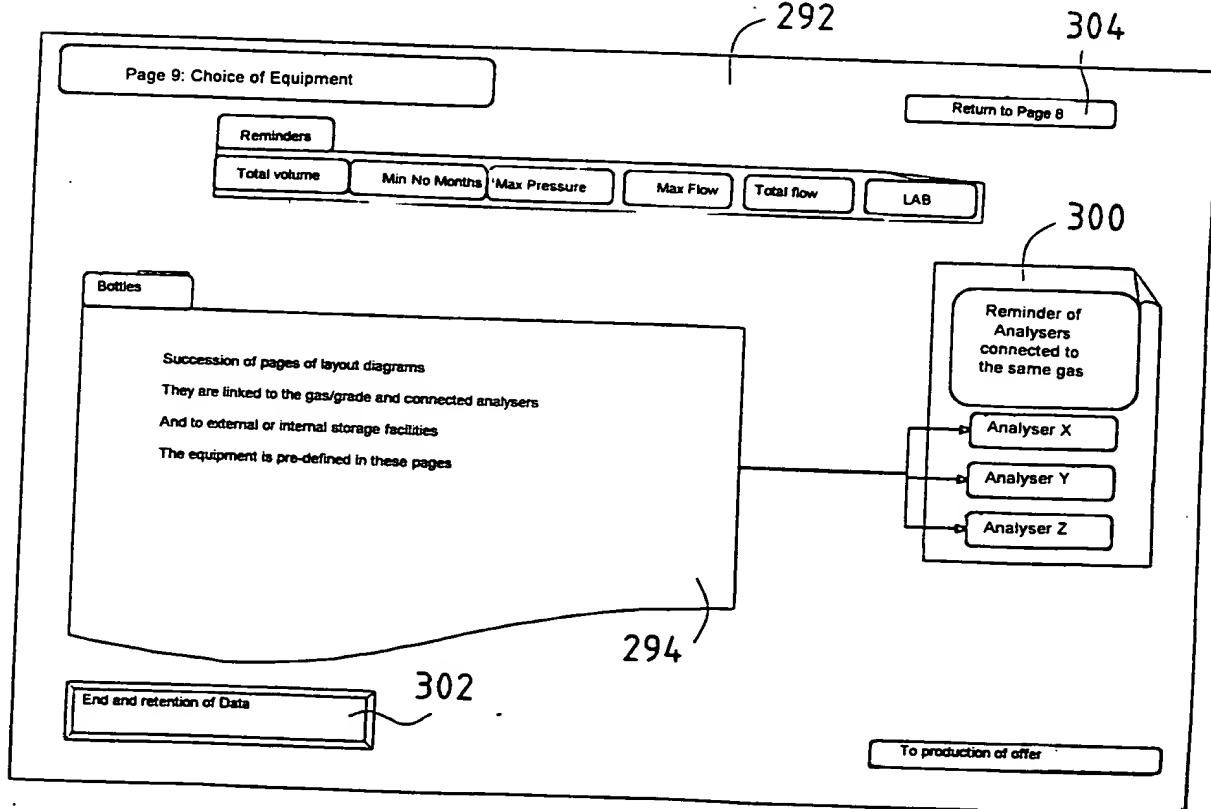


FIG.10J

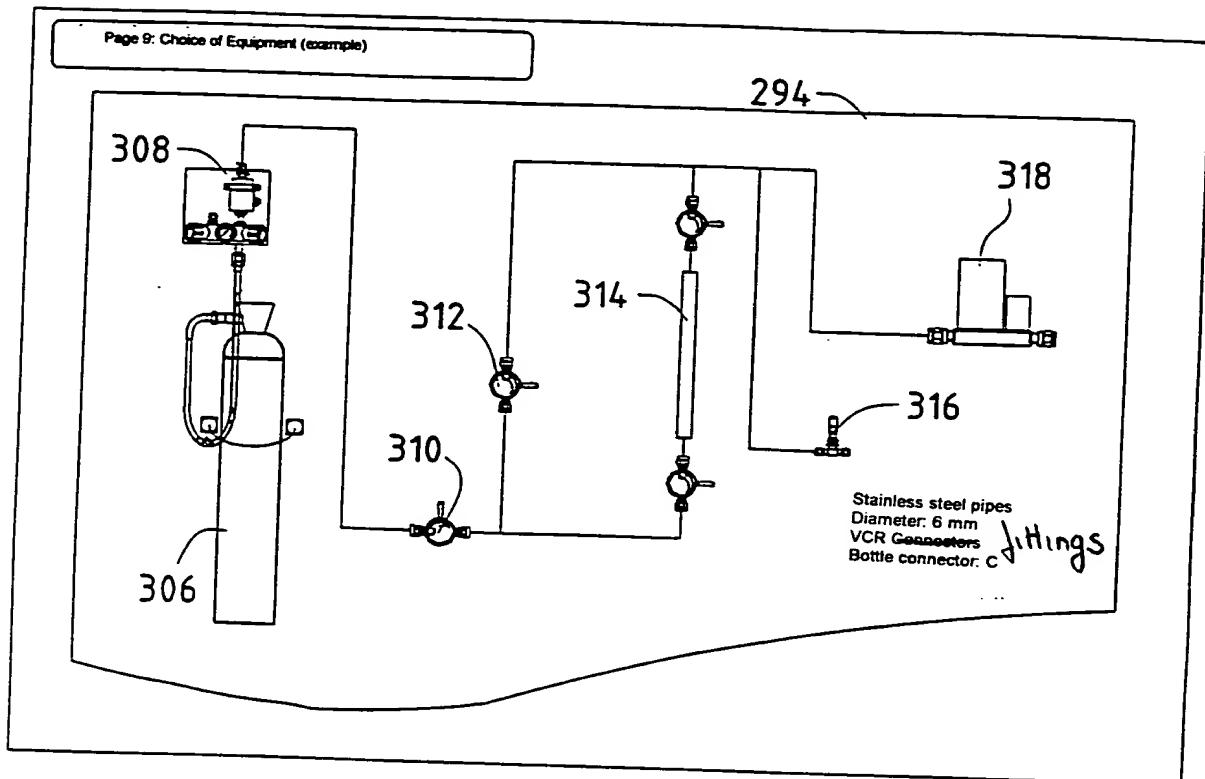


FIG.10K

Page 10 Flash Order: Pure Gasses

Laboratory	Name of Analyser	Name of manager
------------	------------------	-----------------

To be entered if necessary

330
346
334
332
336
338
340
342
344
348

Continuous supply ?
No of bottles/week/month
Bottle size

This tab can be pressed as many times as there are different requirement

HELP: Description of bottles

To production of offer

FIG.10L

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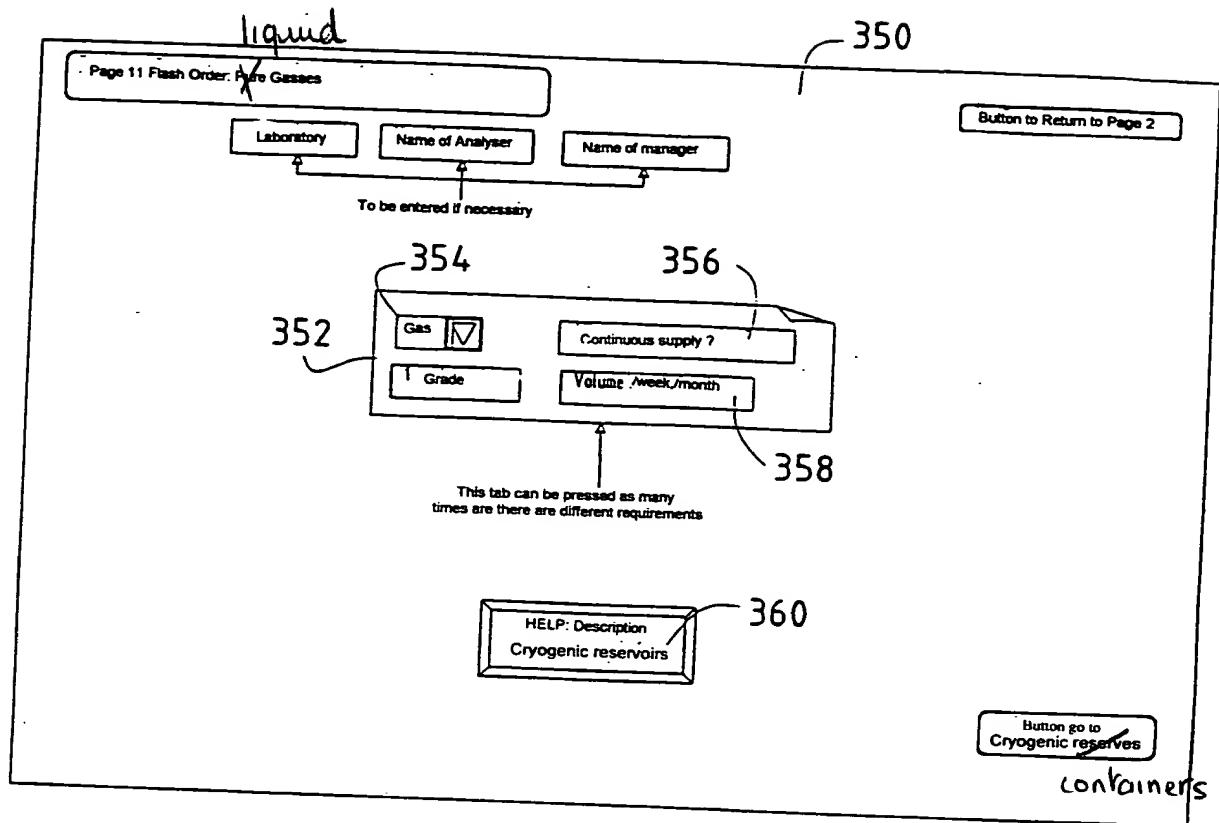


FIG.10M

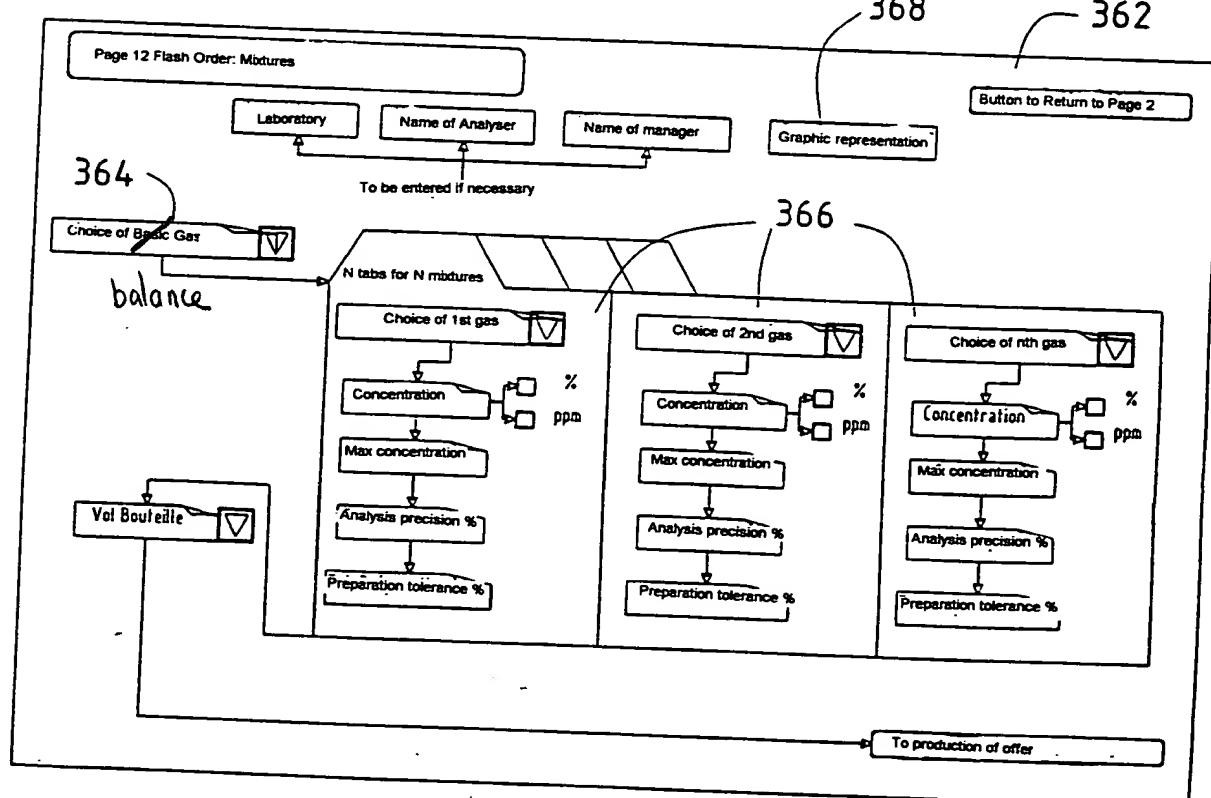


FIG.10N

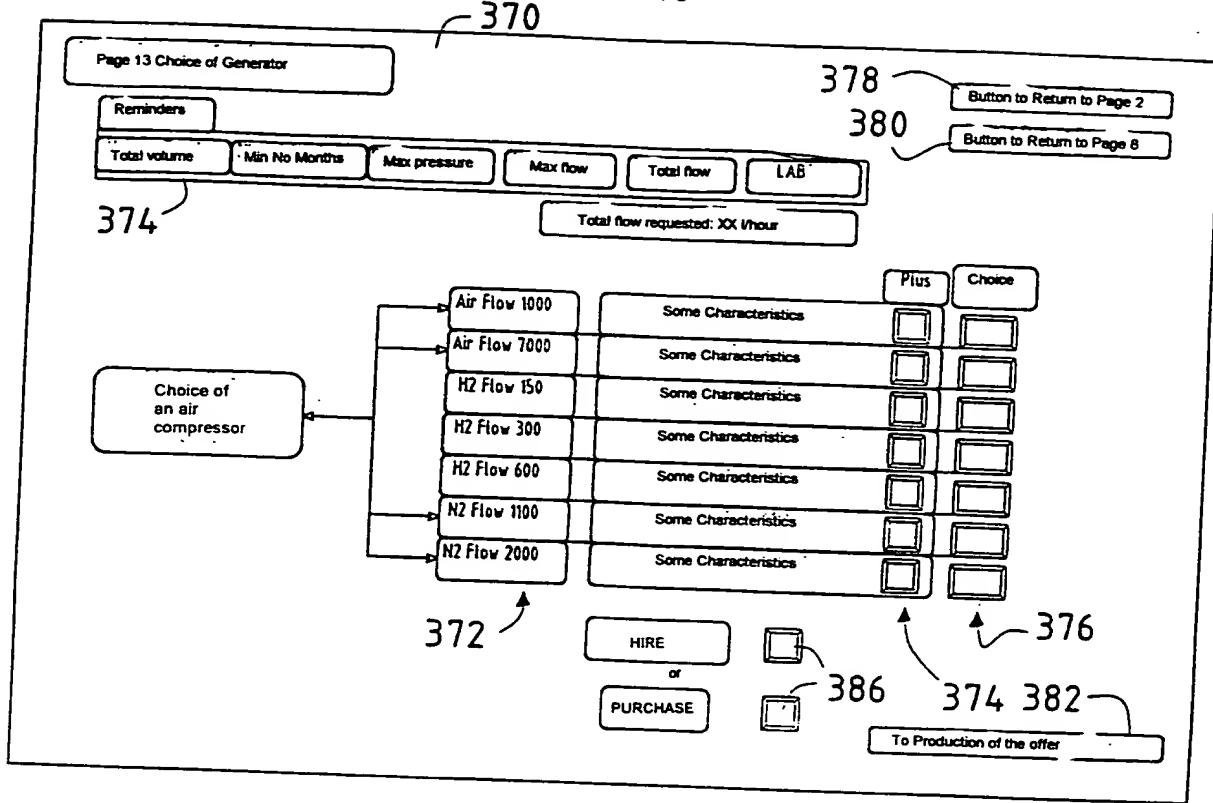


FIG.100

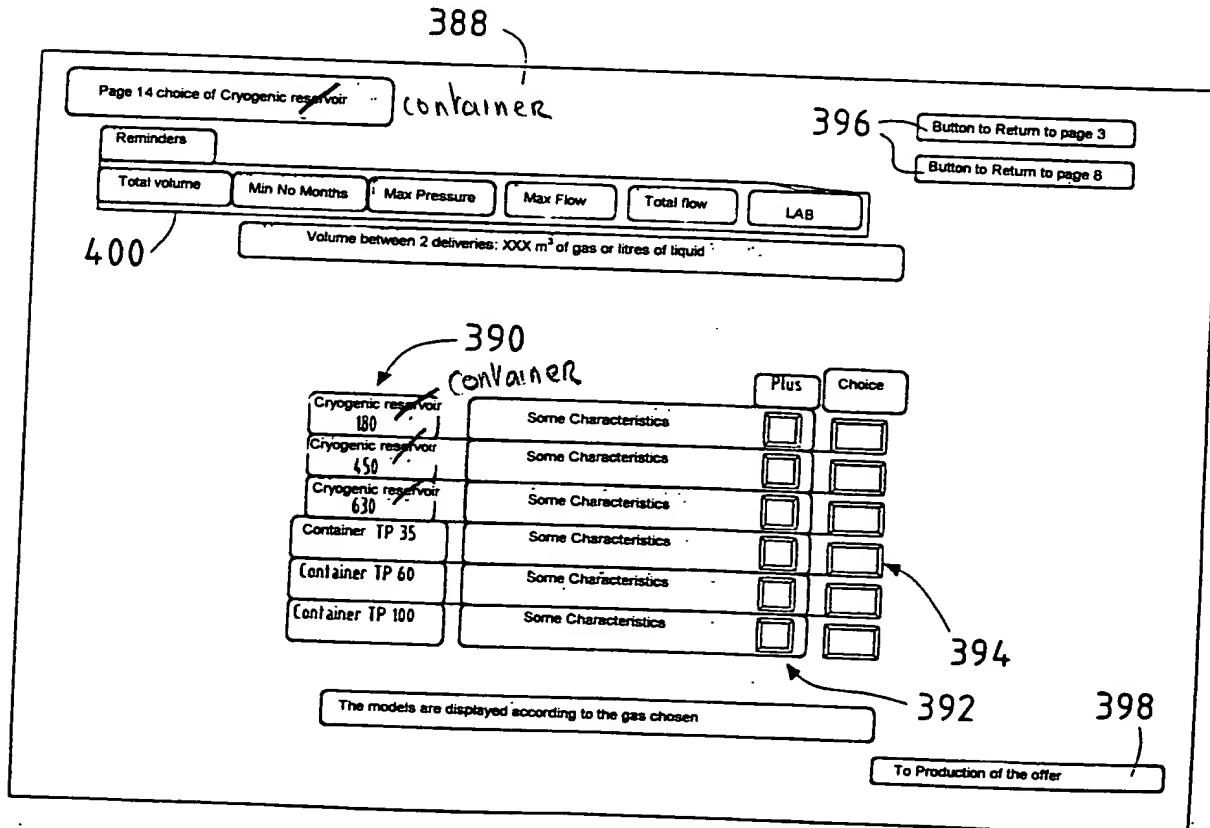


FIG.10P

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402

Page 15 File Order: Equipment

Laboratory Name of Analyser Name of manager

To be entered if necessary

Pressure reducers → 404

Valves → 406

.....

408 → To Production of the offer

Return to page 3 button

FIG.10Q

Page 16

AIR LIQUIDE

CLIENT: _____

GAS

Code....

Number of bottles

Others

PRICE

EQUIPMENT

Ref.....

Number.....

MIXTURES

Ref.....

Number bottles.....

PRICE

Total price _____

410

412 → Return to Page ... button

FIG.10R